**[Title]**

NSSMP Application Form

[Date: Month and Year]

**[Title of project]**

NSSMP application form

**MAIN APPLICATION FORM**

Instructions to complete the application form

*The elements within [] brackets must be completed with the information indicated, as appropriate. Please delete all information on this brackets.*

*The cursive information provides support to complete the application form.*

*Where* # *appears please provide the appropriate number*

[Date: Month and Year]

**[Title of project]**

NSSMP application form

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# ADDRESSES AND REFERENCES

## Local Implementer responsible for the application (operating structure)

### LGU contact details

|  |  |
| --- | --- |
| Name: |  |
| Address: |  |
| Contact: |  |
| Telephone: |  |
| Telex/Fax: |  |
|  E-mail: |  |

### WD contact details

|  |  |
| --- | --- |
| Name: |  |
| Address: |  |
| Contact: |  |
| Telephone: |  |
| Telex/Fax: |  |
|  E-mail: |  |

### Other partner contact details

|  |  |
| --- | --- |
| Name: |  |
| Address: |  |
| Contact: |  |
| Telephone: |  |
| Telex/Fax: |  |
|  E-mail: |  |

# PROJECT DETAILS

## Title of project

## Categorisation of project activity [to be filled by the NSSMP]

### Code for project registration Code \_\_\_\_\_\_\_\_

### Project description summary

###

## Technical description of the investment in infrastructure

### Technical Description

**Description of alternative technologies analised**

[Provide advantages and disadvantages of technologies]

### Describe the proposed infrastructure and the work for which assistance is being proposed specifying its main characteristics and component elements.

[write yes for affirmative answers]

|  |  |
| --- | --- |
| 1. Is this a sewerage project with septage management already in place?  |  |
| 2. Is this a sewerage project without septage management in place? |  |
| 3. Is this a septage management project within years 1 - 4 of planning cycle? |  |
| 4. Is this a septage management project for years 4 -10 of planning cycle?  |  |

**Septage system**

Contract for # trucks

**Sludge treatment plant**

Proposed projects foreseen construction of Sludge treatment plant

**Sewerage Network**

**System**

* Construction of # new interceptors
* Construction of # km of new main collectors
* Construction of # km new pumping stations at the main collectors
* Construction of # km spillways on main collectors
* Construction of # crossing structures/siphons on main collectors
* Construction of # km of pressure pipes
* Construction of # km of secondary network
* Construction of # branches for new house connections

**Wastewater treatment plant**

Proposed projects foreseen construction of # new central WWTPs

**Operator**

[describe current situation and specify operator: it is already assigned or is going to be a tender process]

**Supervision**

[describe firm in charge of supervision: it is already assigned or is going to be a tender process]

**Communication**

[describe publicity programme activities , public meetings, press releases warning of advance works, customer relations office, adequate signs around the site, etc.]

## Project objectives

### Significance objectives

What is the scope of the project? [select one]

|  |  |
| --- | --- |
| National |  |
| Regional |  |
| Local |  |

**Scope**

[describe scope according to selection]

### Current infrastructure endowment and impact of the project

Indicate the extent to which the region(s) is/are at present endowed with the type of infrastructure covered by this application; compare it with the level of infrastructure endowment aimed for by target year 20…….(i.e., according to the relevant strategy or national/regional plans, where applicable). Indicate the foreseeable contribution of the project to the strategy/plan objectives and the impact on the sector concerned. Specify potential bottlenecks or other problems to be resolved.

Region:

Project Area:

[include map of the region]

[Description of the beneficiary region]

*Add annex with site information drawn*

**Site Plan Checklist**

|  |  |  |
| --- | --- | --- |
| Yes | No | **General Site Information** |
|   |   | Site plan is drawn to scale (example: 1 cm = 1 m, 1 cm = 10 m) |
|   |   | North arrow and drawing scale is provided |
|   |   | Project name, Barangay, Municipality, contact name and number provided |
|   |   | All property dimensions shown and annotated |
|   |   | Site plan is fully dimensioned |
|   |   | Adjacent parcels with ownership, land use information is provided |
|   |   | All buildings and structures as they exist on the site are shown |
|   |   | All proposed and future buildings and structures are shown (in dashed lines orshaded to indicate future construction) |
|   |   | Topography is shown with contour intervals (1 m for slopes 0 – 10%, 2 m for slopes 10 – 20%, etc.) |
|   |   | Water service connection is shown |
|   |   | Well locations are provided within 25 m of the property lines |
|   |   | All existing septic tanks and wastewater infrastructure is shown |
|   |   | All other utilities (above ground and underground) are shown |
|   |   | All public sewers or storm drainages within 50 m of the property are located |
|   |   | Access roads (ingress and egress) are shown with rights-of-way indicated |
|   |   | Parking area and driveway are provided |
|   |   | Surface waters - all lakes, streams, rivers, bays and other surface waters are shown. Stream channels and flood plain delineations are provided |
| Yes | No | **Wastewater Infrastructure Information** |
|   |   | Locations of test holes, percolation tests shown |
|   |   | All septic tanks and outside grease interceptor tanks shown |
|   |   | All other tanks and treatment plant equipment is shown |
|   |   | Building sewers are provided on the plan along with size and length of pipe and slope |
|   |   | A two-way cleanout is shown for the sewer line within 3 m of the building, every 15 m, and at building sewer bends |
|   |   | All distribution piping between tanks and treatment equipment is shown |
|   |   | Soils based leaching – all leach lines, leach beds or seepage pits are shown |
|   |   | Effluent sewer from last treatment chamber to point of discharge is provided with material, length and slope |

# OPERATIONAL PARAMETERS

## Main beneficiaries of the infrastructure (i.e. target population served, quantified where possible)

Provide a summary of the demand analysis, including the predicted utilisation rate on completion and the demand growth rate.

**Population and population growth rates**

[explain sources for calculation]

|  |  |  |
| --- | --- | --- |
| Barangays / Municipalities of[Region] | Before Project: Inhabitants - 2012 | After Project:Inhabitants - 2017 |
| Served | Total | **% Coverage** | Served | Total | **% Coverage** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| TOTAL SYSTEM |  |  |  |  |  |  |

## Wastewater FLows

|  |
| --- |
| CURRENT and FUTURE TOTAL WASTE WATER FLOW in SEWERAGE SYSTEM |
| Year  | Before Project 2010 | After Project 2017 | Project life period 2045 |
| Municipality / Barangay | m3/year | m3/ year | m3/ year |
| **[Title of Project]** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **TOTAL SYSTEMS**  |  |  |  |

**For Septage Projects**

|  |
| --- |
| **Design flow of septage treatment facility** |
| **Item** | **Amount** |
| **Number of people benefited** |  |
| **Cubic meters per day** |  |
| **Cubic meters per month** |  |
| **Cubic meters per year** |  |
| **Number of trucks needed** |  |
| **Costs and Tariff** |
| **Total cost of Treatment and Collection Truck** |  |
| **O&M Cost per annum** |  |
| **Estimated annual billed volume in (cu.m.)** |  |
| **Estimated costs for recovery** |  |
| **Estimated user fee per cu.m. of water consumed (in pesos)** |  |

**For Sewerage Projects**

|  |  |
| --- | --- |
| **Item** | **Amount** |
| **CAPEX** |  |
| **OPEX for treatment** |  |
| **OPEX for Collection** |  |
| **Remaining Funds to be Sourced** |  |
| **Interest Rate** |  |
| **Number of years for loan** |  |
| **Total annual payment** |  |

### Financial feasibility

|  |  |
| --- | --- |
| **Monthly payment** |  |
| **Monthly tariff / person** |  |
| **Monthly tariff / family\*** |  |
| **Willingess to pay (% estimated with baseline study)** |  |

**Affordability**

**[describe population capacity to pay]**

|  |
| --- |
| **LIFE TIME COSTS in [Title of the Project]** |
|  | **Investment Cost (€)** | **O&M Cost (€/year)** | **Life Time Cost (€)** |
|  |  |  |  |
|  | **Project IRR** | **Project NPV** | **Debt Service Ratio** |
|  |  |  |  |

### Local revenue per capita

*This ratio measures the average amount that each citizen of the LGU contributes to the LGU’s internally generated revenues, such as local business and property taxes, tariffs, licenses, and fees. This ratio reflects the LGU’s orientation towards public service. It can serve as an indicator for the cost recovery of future projects. A high indicator is desirable. A low indicator means that the LGU should consider increasing its fees and taxes by either improving its efficiency and reach or adding more taxes, licenses and fees.*

|  |  |
| --- | --- |
| 1. If between 800 and 1000  |  |
| 2. If between 600 and 800  |  |
| 3. If between 400 and 600 |  |
| 4. If between 200 and 400  |  |
| 5. If less than 200  |  |

### Socio-economic objectives

Indicate the project’s socio-economic objectives and targets.

**Social benefits of the project**

### Project specific standards

In this section rate the adequacy of design, performance and customer service standards. Projects designed with standards to improve long-term sustainability will have a higher priority.

|  |  |
| --- | --- |
| 1. The project-specific standards will add significantly to sustainability  |  |
| 2. The project specific standards will adequately address sustainability  |  |
| 3. The project lacks sufficient standards to ensure sustainability |  |

### Environmental objectives

*Is the region environmentally sensitive according to DENR?*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Yes |  |  | No |  |

Provide estimation of pollution improvement

|  |  |  |  |
| --- | --- | --- | --- |
| Pollution measure | Unit | Current Situation | Estimation after project |
| Color  | PCU |  |  |
| pH | mg/L |  |  |
| COD | mg/L |  |  |
| BOD5 | mg/L |  |  |
| TSS | mg/L |  |  |
| Oil & Grease | mg/L |  |  |
| Heavy Metals | mg/L |  |  |

## Administrative Feasibility

|  |  |  |
| --- | --- | --- |
| **No.** | **Documentation** | **Status****Date obtained / expected** |
| 1 | Executive Order Establishing a TWG |  |
| 2 | Resolution to Adopt a Local Sustainable Sanitation Plan |  |
| 3 | Ordinance for Septage Management |  |
| 4 | MoU for a Partnership with a Private Firm |  |

# TIMETABLE

## Project timetable

Give below the timetable for the development of the overall project.

Foresee a separate entry in the table for each contract or phase, where relevant. Where the application concerns a project stage, clearly indicate in the table the elements of the overall project for which assistance is being sought by this application:

|  |  |  |
| --- | --- | --- |
|  | **Start date (A)** | **Completion date (B)** |
| 1. **Masterplanning and Feasibility studies**
 |  |  |
| 1. **Cost-benefit analysis (including financial /economic analysis):**
 |  |  |
| 1. **Environmental impact assessment**
 |  |  |
| 1. **Design studies:**
 |  |  |
| preliminary design |  |  |
| – main designs |  |  |
| 1. **Preparation of Tender documentation:**
 |  |  |
| Construction of sewerage system  |  |  |
| Construction of WWTP  |  |  |
| Supervision of works  |  |  |
| Equipment for Systems |  |  |
| Publicity for Projects |  |  |
| 1. **Expected launch of tender procedure(s)**
 |  |  |
| Construction of sewerage system  |  |  |
| Construction of WWTP  |  |  |
| Supervision of works |  |  |
| Equipment |  |  |
| Publicity |  |  |
| 1. **Land acquisition:**
 |  |  |
| Construction of sewerage system  |  |  |
| Construction of WWTP  |  |  |
| 1. **Construction phase / contract:**
 |  |  |
| Construction of sewerage system  |  |  |
| Construction of WWTP  |  |  |
| Supervision of works  |  |  |
| Equipment |  |  |
| Publicity |  |  |
| 1. **Operational phase:**
 |  |  |
| Construction of sewerage system  |  |  |
| Construction of WWTP – 1 year trial period |  |  |
| Construction of WWTP – operational phase |  |  |
| Supervision of works  |  |  |

Please attach a summary schedule of the main categories of works (e.g., a Gantt chart).

[indicate annexes]

##

## Project maturity

Describe the project timetable (D.1) in terms of the technical and financial progress and current maturity of the project under the following headings:

### Technical (feasibility studies, etc.)

|  |  |  |
| --- | --- | --- |
| **Documentation** | **Status** | Date obtained / *expected* |
| 1. Feasibility Study
 |  |  |
| 1. Conceptual design of WWTP
 |  |  |
| 1. Conceptual design of sewerage network
 |  |  |
| 1. Preliminary design of WWTP
 |  |  |
| 1. Environmental Impact Assessment (no objection)
 |  |  |
| 1. Main designs of sewerage network
 |  |  |

### Administrative

Administrative ( authorisations, EIA, land acquisition, invitations to tender, permits, etc)

[add or delete rows as necessary]

| **Work Component** | **Municipality/ location** | **Conceptual Design***Documentation Status* | **Location Permit***Date obtained / expected* | **Main Design***Documentation Status* | **Building Permit***Date obtained / expected* |
| --- | --- | --- | --- | --- | --- |
| **Construction of Sewerage system** |
| 1. Collectors
 |
| [Identify different collectors]Collector 2.1  |  |  |  |  |  |
| 1. Spillways
 |
| [Identify Spilways for each collector]1 PSC -Collector 2.2 |  |  |  |  |  |
| 1. Pumping stations
 |
| [Identify PS for each collector]PS-2\_ Collector 2.4. |  |  |  |  |  |
| 1. Crossing Structures
 |
| [Identify Crissing Structures]Crossing Structures 1 |  |  |  |  |  |
| 1. Pressured Pipeline
 |
| [Identify PP for each collector]Collector 2.5 |  |  |  |  |  |
| 1. Sewerage networks
 |
| [Identify SN for each collector]Collector 2.1  |  |  |  |  |  |

###

###  Financial (commitment decisions in respect of national public expenditure, loans requested or granted, etc. - give references):

[Indicate the financing scheme proposed to cover the project investment cost]

* Equity: %
* National contribution: %

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **The financing plan for the eligible cost in PP (constant prices):** | TOTAL | 2013 | 2014 | 2015 | 2016 | 2017 |
| PP | PP | PP | PP | PP | PP |
| **Equity** |  |  |  |  |  |  |
| **National Contribution**  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |

# ANALYSIS OF THE ENVIRONMENTAL IMPACT

## .How does the project:

(a) contribute to the objective of environmental sustainability (climate change policy, halting loss of biodiversity, other …);

(b) respect the principles of preventive action and that environmental damage should as a priority be rectified at source;

(c) respect the "polluter pays" principle.

## Environmental Impact Assessment

### DEVELOPMENT CONSENT

#### Has development consent already been given to this project?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Yes |  |  | No |  |

#### If yes, on which date

#### If no, when was the formal request for the development consent introduced:

### BY WHICH DATE IS THE FINAL DECISION EXPECTED?

### [Add or delete rows as necessary]

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Documentation** | **Location Permit** | ***Building Permit*** |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |
| 6 |  |  |  |
| 7 |  |  |  |
| 8 |  |  |  |

## Provide results from EIA

# JUSTIFICATION FOR THE PUBLIC CONTRIBUTION

**The socio economic analysis set out above provides information on the internal rate of return of the project. The financial analysis demonstrates the financing gap and the impact of the Community assistance on the financial viability of the project. Please complete this information with the elements set out below**

## Financial structure[provides % for each item]

|  |  |  |
| --- | --- | --- |
| **Equity** | **Grant** | **Loan** |
|  |  |  |

|  |
| --- |
| **Equity**  |
| **LGU** |  |
| **WD** |  |
| **Other Partner** |  |

### Is the construction of the infrastructure to be delivered through a public-private partnership (PPP)}?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Yes |  |  | No |  |

If yes, describe the form of the contract (i.e., legal framework enforced, selection process of the operator and when applicable, structure of PPP, infrastructure ownership arrangements, risks allocation arrangements, etc.):

## Competition

Does this project involve NSSMP assistance? Answer if possible

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Yes** |  |  | **No** |  |

##

## Impact of NSSMP assistance on project implementation

For each affirmative answer, give details:

*Will Community assistance:*

1. *Accelerate implementation of the project?*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Yes** |  |  | No |  |

1. *Be essential to implementation of the project?*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Yes** |  |  | No |  |

[provide description of the importance of NSSMP funds]

#

# ENDORSEMENT OF RELEVANT LOCAL AUTHORITY

I confirm that the information presented in this form is accurate and correct [add or delete tables according to local implementers involved]

|  |  |  |
| --- | --- | --- |
| NAME: |  |  |
| SIGNATURE: |  |  |
| ORGANISATION: |  |  |
| (OPERATING STRUCTURE): |  |  |
| DATE: |  |  |

|  |  |  |
| --- | --- | --- |
| NAME: |  |  |
| SIGNATURE: |  |  |
| ORGANISATION: |  |  |
| (OPERATING STRUCTURE): |  |  |
| DATE: |  |  |

|  |  |  |
| --- | --- | --- |
| NAME: |  |  |
| SIGNATURE: |  |  |
| ORGANISATION: |  |  |
| (OPERATING STRUCTURE): |  |  |
| DATE: |  |  |